

22nd

SECOND ANNOUNCEMENT

International Conference on Fusion Reactor Materials

Sep. 28 – Oct. 3, 2025**Shizuoka, Japan****URL : <https://www.icfrm-22.com>****email : icfrm22@jtb.com**

Scope

ICFRM is the major international conference and the leading platform for experts studying, developing and characterizing materials for fusion energy technologies. This biennial conference focuses on structural, functional, plasma facing and high heat flux materials including irradiation effects, materials engineering and technologies, and cutting-edge research. The ICFRM-22 will include plenary lectures, invited and contributed oral presentations, as well as poster sessions and tutorials. As hosts, we are looking forward to welcoming you in Shizuoka, Japan, while encouraging interesting and inspiring discussions, interactions, and science.

Dr. Ronald Klueh, a retired materials scientist at Oak Ridge National Laboratory, passed away on March 23, 2024. He was a pioneer in the field of RAFM steels for fusion applications and made significant contributions to ferritic/martensitic steel research. A memorial session will be held to honor his achievements and emphasize the progress made through his works.

Abstract

All abstracts must be submitted through the website. <https://www.icfrm-22.com/abstract/index.html>

Please follow the instructions.

Abstracts must be written in English and must not exceed 250 words. Acceptance of an abstract for presentation will be based on a rigorous review.

Abstracts that fall outside the scope of the conference, or describe previously reported results, or do not demonstrate a high standard will be rejected. Submissions by graduate students describing their work are encouraged.

The conference schedule includes Keynotes (40 min) contributions that will open the daily program, followed by Plenary and Contributed presentations as well as a Poster session. Invited presentations might be selected from the best abstracts.

Scientific Topics

- A. Development and qualification of structural materials for DEMO and beyond.
- B. Materials for high heat flux plasmas facing components: divertor, limiter, first wall.
- C. Development and characterization of functional materials applied in blankets and other n-irradiation affected systems
- D. Fusion-specific applications of materials, including environmental effects.
- E. Materials engineering and application including joining of (similar or dissimilar) materials.
- F. Qualification of irradiation effects in neutron sources, accelerators and other test systems including advanced characterization methods.
- G. Materials-design interface and interactions codes, standards, and standardization (small specimen test techniques).
- H. Fundamental studies of radiation effects: modeling and experimental validation.
- I. National fusion projects and private fusion activities.
- J. Cross-cutting issues and synergism with materials applications in other large-scale projects or highly loaded systems.
- K. Ron Klueh Memorial

Proceedings

Authors are encouraged to submit full-length papers to either the Journal of Nuclear Materials or Nuclear Materials and Energy as a regular issue, but will be bundle as a virtual issue on the website.

Important Dates

Call for Abstracts	October 4, 2024
Abstract submission deadline	February 7, 2025
Notification of abstract acceptance	June 6, 2025
Registration starts	July 1, 2025
Early Registration deadline	August 1, 2025
Conference starts. Reception	September 28, 2025
Manuscript due date	October 4, 2025

Social Activities

Social activities will include a welcoming reception (Sunday) and banquet (Thursday), as well as a group excursion (Wednesday). The participants and accompanying persons can choose your interested course in selected courses during the registration process. Other social activities for participants and their guests to enjoy the beauty of the city of Shizuoka will be available as accompanying persons' programs and posted on the website. <https://www.icfrm-22.com/travel/index.html>

Conference Venue

Conference will be held at the MARINART (Shimizu Cultural Hall), Shizuoka City, Japan.

Address: <https://www.marinart.jp/spec/index.html>



Conference Organization

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Visa and Passport Requirements

International visitors of certain countries might require a visa. Ask for an invitation letter if needed at the ICFRM contact email : icfrm22@jtb.com.

ACCESS TO SHIZUOKA



Narita International Airport :



Haneda International Airport :



Central Japan International Airport (Centrair) :



Mt. Fuji Shizuoka Airport :

